**Chapter 2 Test Extra Credit Questions**

This is extra credit for the test. Please read this carefully. This assignment is worth 10 points extra credit on the test. It will be graded for accuracy and neatness. Do not type. There will be a quiz on Tuesday for 10 more points extra credit based on this worksheet, so do a good job on this assignment.

**Here is the breakdown:**

**If you have an A grade on the test, you can add any points on to another test or quiz.**

**If you have a B grade on the test. This worksheet and quiz can take you to an 93 A-**

**If you have anything below you can get up to 20 points to a maximum test grade of 85.**

**You do not have to do this assignment or the quiz tomorrow. It is optional.**

1. What are the 4 organic compounds and describe them completely. What are their function or purpose and general base structure of each compound (ex. amino acids are the building blocks of proteins). Give good examples from the text or notes for each one.
2. Describe proteins. What is the base unit of protein? What are the bonds and the chain?
3. Describe what is a solute, solvent, and solution.
4. Describe completely Dehydration synthesis and Hydrolysis.
5. List completely the characteristics of enzymes.
6. What is the 2 differences between DNA and RNA?
7. Draw and describe the difference between ionic and covalent bonds.
8. Draw and explain a carbon atom, how many covalent bonds can it have and why?
9. Compare and contrast endothermic and exothermic reactions.
10. What are the two things that must be correct for a protein to be functional. Explain.

Please do a good job on this assignment. This is an unusual test credit opportunity.